

State of Colorado Oil and Gas Conservation Commission

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|--------------------------------------|----|----|----|
| DE | ET | OE | ES |
| Document Number: 402761220 | | | |
| Date Received: | | | |

SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

| | |
|--|--|
| OGCC Operator Number: <u>10651</u> | Contact Name <u>Heather Mitchell</u> |
| Name of Operator: <u>VERDAD RESOURCES LLC</u> | Phone: <u>(720) 845-6917</u> |
| Address: <u>1125 17TH STREET SUITE 550</u> | Fax: <u>()</u> |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u> | Email: <u>regulatory@verdadresources.com</u> |

FORM 4 SUBMITTED FOR:

Facility Type: WELL

API Number : 05- 123 51085 00 ID Number: 476962

Name: Timbro Number: 0101-11H

Location QtrQtr: Lot 2 Section: 1 Township: 9N Range: 59W Meridian: 6

County: WELD Field Name: WILDCAT

Oil & Gas Location(s) and Oil & Gas Development Plan (OGDP) Information

Location(s)
No Location

OGDP(s)
No OGDP

WELL LOCATION CHANGE OR AS-BUILT GPS REPORT

☒ Change of Location for Well * ☐ As-Built GPS Location Report ☐ As-Built GPS Location Report with Survey

* Well Location Change requires a new Plat.

SURFACE LOCATION GPS DATA Data must be provided for Change of Surface Location and As Built Reports.

Latitude 40.786593 Longitude -103.924287

GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Measurement Date: 03/17/2018

Well Ground Elevation: 4937 feet (Required for change of Surface Location.)

WELL LOCATION CHANGE

Well plan is: HORIZONTAL (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From**:

Change of **Surface** Footage **To**:

| | | | | | | | | | | |
|---|--------|--------------|-----|----------|-----|-----------|-------|------------|----------|----------|
| Current Surface Location From | QtrQtr | <u>Lot 2</u> | Sec | <u>1</u> | Twp | <u>9N</u> | Range | <u>59W</u> | Meridian | <u>6</u> |
| New Surface Location To | QtrQtr | <u>Lot 2</u> | Sec | <u>1</u> | Twp | <u>9N</u> | Range | <u>59W</u> | Meridian | <u>6</u> |

Change of **Top of Productive Zone** Footage **From**:

Change of **Top of Productive Zone** Footage **To**:

| | | | | | | |
|--|-----|----------|-----|-----------|-------|------------|
| Current Top of Productive Zone Location | Sec | <u>1</u> | Twp | <u>9N</u> | Range | <u>59W</u> |
| New Top of Productive Zone Location | Sec | <u>1</u> | Twp | <u>9N</u> | Range | <u>59W</u> |

| FNL/FSL | | FEL/FWL | |
|------------|------------|-------------|------------|
| <u>356</u> | <u>FNL</u> | <u>2017</u> | <u>FEL</u> |
| <u>316</u> | <u>FNL</u> | <u>1929</u> | <u>FEL</u> |
| <u>300</u> | <u>FNL</u> | <u>1834</u> | <u>FEL</u> |
| <u>300</u> | <u>FNL</u> | <u>1830</u> | <u>FEL</u> |

**

Change of **Base of Productive Zone** Footage **From:**

Change of **Base of Productive Zone** Footage **To:**

Current **Base of Productive Zone** Location

Sec

Twp

Range

New **Base of Productive Zone** Location

Sec

Twp

Range

Change of **Bottomhole** Footage **From:**

Change of **Bottomhole** Footage **To:**

**

**

Current **Bottomhole** Location

Sec

Twp

Range

** attach deviated drilling plan

New **Bottomhole** Location

Sec

Twp

Range

SAFETY SETBACK INFORMATION

Required for change of Surface Location.

Distance from Well to nearest:

Building: Feet
Building Unit: Feet
Public Road: Feet
Above Ground Utility: Feet
Railroad: Feet
Property Line: Feet

INSTRUCTIONS:

- Specify all distances per Rule 308.b.(1).
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit – as defined in 100 Series Rules.

SUBSURFACE MINERAL SETBACKS

Required for change of Top and/or Base of Productive Zone. Enter 5280 for distance greater than 1 mile.

Is this Well within a unit?

If YES:

Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary: Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation: Feet

If NO:

Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease: Feet

Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing from the same lease and permitted or completed in the same formation: Feet

Exception Location

☐ If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers.

LOCATION CHANGE COMMENTS

CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT

| <u>Objective Formation</u> | <u>Formation Code</u> | <u>Spacing Order Number</u> | <u>Unit Acreage</u> | <u>Unit Configuration</u> | <u>A</u> | <u>M</u> | <u>D</u> |
|----------------------------|-----------------------|-----------------------------|---------------------|---------------------------|----------|----------|----------|
| NIOBRARA | NBRR | 535-1270 | 640 | Sec. 1:ALL | | X | |

OTHER

RULE 502 VARIANCE

Order Number:

| | |
|--------------|--|
| Description: | |
|--------------|--|

REMOVE FROM SURFACE BOND Signed surface use agreement is a required attachment

CHANGE NAME OR NUMBER OF WELL, FACILITY, OIL & GAS LOCATION, OR OGDP

From: Name TIMBRO Number 0101-11H Effective Date:

| To: | Name | Number |
|-----|------|--------|
|-----|------|--------|

- **ABANDON PERMIT:** Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.

☐ WELL:Abandon Application for Permit-to-Drill (Form2) – Well API Number has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number _____ has not been constructed (Permitted and constructed pit requires closure per Rule 911)

☐ **CENTRALIZED E&P WASTE MANAGEMENT FACILITY:** Abandon Centralized E&P Waste Management Facility Permit
(Form 28) – Facility ID Number has not been constructed (Constructed facility requires closure per Rule 907)

OIL & GAS LOCATION ID Number:

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.

REQUEST FOR WELL RECORDS CONFIDENTIALITY (Rule 206.c.(1))

DIGITAL WELL LOG UPLOAD

DOCUMENTS SUBMITTED Purpose of Submission: Change SHL, TPZ, BHL and objective formation

COMPLIANCE with CONDITION OF APPROVAL (COA) on Form NO: Document Number:

RECLAMATION

INTERIM RECLAMATION

☐ Interim Reclamation will commence approximately

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

Interim reclamation complete, site ready for inspection.
Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

Field inspection will be conducted to document Rule 1003.e. compliance

FINAL RECLAMATION

☐ Final Reclamation will commence approximately

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

Field inspection will be conducted to document Rule 1004.c. compliance

Comments:

ENGINEERING AND ENVIRONMENTAL WORK

☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below, as required by Rule 434.b.(3).

Date well temporarily abandoned _____

Has Production Equipment been removed from site? _____

Mechanical Integrity Test (MIT) required. Date of last MIT _____

TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☒ NOTICE OF INTENT/REQUEST FOR APPROVAL Approximate Start Date 10/14/2021

☐ SUBSEQUENT REPORT Date of Activity _____

- | | | |
|---|--|--|
| <input type="checkbox"/> Bradenhead Plan | <input type="checkbox"/> Venting or Flaring (Rule 903) | <input type="checkbox"/> E&P Waste Mangement |
| <input checked="" type="checkbox"/> Change Drilling Plan | <input type="checkbox"/> Repair Well | <input type="checkbox"/> Beneficial Reuse of E&P Waste |
| <input type="checkbox"/> Gross Interval Change | | |
| <input type="checkbox"/> Underground Injection Control | | |
| <input type="checkbox"/> Request approval of Reuse and Recycling Plan per Rule 905.a.(3). (Reuse and Recycling Plan must be attached.) | | |
| <input type="checkbox"/> Request approval of Alternative Sampling Plan per Rule 909.j.(6). for this Pit. (Alternative Sampling Program must be attached.) | | |
| <input type="checkbox"/> Other | | |

☐ Request that an existing produced water sample from the same formation be used per Rule 909.j.(6) to meet the requirements of Rule 909.j.(1)-(5) for this Well.

Pit ID _____ Pit Name _____

(No Sample Provided)

☐ Subsequent well operations with heavy equipment (Rule 312)

(No Well Provided)

COMMENTS:

Change SHL, TPZ, BHL and objective formation

CASING PROGRAM

| <u>Casing Type</u> | <u>Size of Hole</u> | <u>Size of Casing</u> | <u>Grade</u> | <u>Wt/Ft</u> | <u>Csg/Liner Top</u> | <u>Setting Depth</u> | <u>Sacks Cmt</u> | <u>Cmt Btm</u> | <u>Cmt Top</u> |
|--------------------|---------------------|-----------------------|--------------|--------------|----------------------|----------------------|------------------|----------------|----------------|
| CONDUCTOR | 26 | 16 | ASTM | 65 | 0 | 80 | 70 | 80 | 0 |
| SURF | 13+1/2 | 9+5/8 | J55 | 36 | 0 | 1610 | 437 | 1610 | 0 |
| 1ST | 8+1/2 | 5+1/2 | P110 | 20 | 0 | 11260 | 1505 | 11260 | 0 |

POTENTIAL FLOW AND CONFINING FORMATIONS

| <u>Zone Type</u> | <u>Formation /Hazard</u> | <u>Top M.D.</u> | <u>Top T.V.D.</u> | <u>Bottom M.D.</u> | <u>Bottom T.V.D.</u> | <u>TDS (mg/L)</u> | <u>Data Source</u> | <u>Comment</u> |
|------------------|--------------------------|-----------------|-------------------|--------------------|----------------------|-------------------|--------------------|---|
| Groundwater | Alluvial Fill | 0 | 0 | 205 | 205 | 0-500 | USGS | TDS from sample sites USGS-404200104042401 (836 mg/mL), USGS-410223104065901 (369mg/mL) |
| Groundwater | Fox Hills | 205 | 205 | 524 | 524 | 0-500 | USGS | TDS from sample sites USGS-410233104093201 (384mg/mL) |
| Confining Layer | Pierre | 524 | 524 | 1200 | 1194 | | | |
| Groundwater | Upper Pierre Porosity | 1200 | 1194 | 1552 | 1542 | 501-1000 | Other | CO DNR Report Project Number 2141 |
| Confining Layer | Pierre | 1552 | 1542 | 3512 | 3482 | | | |
| Hydrocarbon | Parkman | 3512 | 3482 | 3920 | 3886 | | | |
| Confining Layer | Pierre | 3920 | 3886 | 4176 | 4140 | | | |
| Hydrocarbon | Sussex | 4176 | 4140 | 4503 | 4463 | | | |
| Hydrocarbon | Shannon | 4503 | 4463 | 5331 | 5283 | | | |
| Confining Layer | Pierre | 5331 | 5283 | 5992 | 5884 | | | |
| Hydrocarbon | Sharon Springs | 5992 | 5884 | 6072 | 5934 | | | |
| Hydrocarbon | Niobrara | 6072 | 5934 | 11260 | 6050 | | | |

H2S REPORTING

☐ Intentional release of H2S gas due to Upset Condition or malfunction.

☐ Intent to temporarily abandon well with potential H2S concentration >100 ppm.

Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.

Gas Analysis Report must be attached.

H2S Concentration: _____ in ppm (parts per million)

Date of Measurement or Sample Collection _____

Description of Sample Point:

Absolute Open Flow Potential _____ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: _____

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: _____

COMMENTS:

OIL & GAS LOCATION UPDATES

OGDP ID _____ OGDP Name _____

SITE EQUIPMENT LIST UPDATES

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location:

| | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------|------------------------------------|
| Wells _____ | Oil Tanks _____ | Condensate Tanks _____ | Water Tanks _____ | Buried Produced Water Vaults _____ |
| Drilling Pits _____ | Production Pits _____ | Special Purpose Pits _____ | Multi-Well Pits _____ | Modular Large Volume Tank _____ |
| Pump Jacks _____ | Separators _____ | Injection Pumps _____ | Heater-Treaters _____ | Gas Compressors _____ |
| Gas or Diesel Motors _____ | Electric Motors _____ | Electric Generators _____ | Fuel Tanks _____ | LACT Unit _____ |
| Dehydrator Units _____ | Vapor Recovery Unit _____ | VOC Combustor _____ | Flare _____ | Enclosed Combustion Devices _____ |
| Meter/Sales Building _____ | Pigging Station _____ | Vapor Recovery Towers _____ | | |

OTHER PERMANENT EQUIPMENT UPDATES

OTHER TEMPORARY EQUIPMENT UPDATES

CULTURAL AND SAFETY SETBACK UPDATES

OTHER LOCATION CHANGES AND UPDATES

Provide a description of other changes or updates to technical information for this Location:

POTENTIAL OGDG UPDATES**PROPOSED CHANGES TO AN APPROVED OGDG**
☐ This Sundry Form 4 is being submitted pursuant to Rule 301.c to propose changes to an approved Oil and Gas Development Plan.

Check all boxes that pertain to the type(s) of changes being proposed for this OGDG:

- | | |
|--|--|
| <input type="checkbox"/> Add Oil and Gas Location(s) | <input type="checkbox"/> Add Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Amend Oil and Gas Location(s) | <input type="checkbox"/> Amend Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Remove Oil and Gas Location(s) | <input type="checkbox"/> Remove Drilling and Spacing Unit(s) |
| <input type="checkbox"/> Oil and Gas Location attachment or plan updates | <input type="checkbox"/> Amend the lands subject to the OGDG |
| <input type="checkbox"/> Other | |

Provide a detailed description of the changes being proposed for this OGDG. Attach supporting documentation such as maps if necessary.

Best Management Practices**No BMP/COA Type****Description**

| | |
|--|--|
| | |
|--|--|

Operator Comments:

Verdad requests to revise the SHL, TPZ, BHL and objective formation to optimize productive lateral length and spacings. The distance to the nearest well in the same formation is Timbro 0101 13H measured in 2D.

This well has a bottom-hole location beyond the unit boundary setback. The bottom of the completed interval will be within the unit boundary setback at 300 FSL and 1819 FEL of Section 1. The wellbore beyond the unit boundary setback will be physically isolated and will not be completed.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Heather Mitchell

Title: Regulatory Manager Email: regulatory@verdadresources.com Date: _____

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:**COA Type****Description**

| | |
|--|---|
| | This sundry makes changes to the approved APD and shall be displayed along with the APD in the doghouse while this well is being drilled. |
|--|---|

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|---|----------------------------|
| Permit | Returned to draft per operator request. | 10/07/2021 |
| Engineer | Updated proposed_depth in well update. | 08/24/2021 |

Total: 2 comment(s)

Attachment List

| <u>Att Doc Num</u> | <u>Name</u> |
|---------------------------|------------------------|
| 402767939 | WELL LOCATION PLAT |
| 402767940 | DEVIATED DRILLING PLAN |
| 402842159 | DIRECTIONAL DATA |
| 402842162 | WELL LOCATION PLAT |
| 402842164 | DEVIATED DRILLING PLAN |
| Total Attach: 5 Files | |